



July 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Comprehensive Assessment System is the State's measure of student progress in achieving the State standards, known as *Learning Results*, adopted by the Maine Legislature in 1997. The Maine Educational Assessment (MEA) is administered in grades 3 through 8 to meet these state assessment requirements. Since the spring of 2006, the SAT Reasoning Test™ (SAT) has been administered to students in their third year of high school in place of the MEA for state and federal purposes. The move from the MEA to the SAT in grade 11 was made to encourage all students in the goal of attaining college and high-level workplace readiness as well as to measure achievement. As last year, the mathematics portion of the SAT Reasoning Test™ was augmented with 18 additional mathematics items (the Math-A test) to more fully measure Maine's *Learning Results*. Additionally, Science and Technology testing resumed this year after a two-year hiatus. The combined tests form the Maine High School Assessment (MHSA).

Because the MHSA Science & Technology achievement level standards had not been revised in 2006 like all other disciplines, it was necessary to revise the standards for that discipline this spring. The new achievement level standards are the result of a comprehensive process informed by Maine teachers and reviewed by advisory committees. The achievement level standards for the 2008 Critical Reading, Writing and Mathematics sections of the MHSA were not changed.

These 2007-2008 Maine High School Assessment Summary Reports contain the results of student performance in critical reading, mathematics, writing, and science & technology reported according to the achievement standards described above and disaggregated by student and school characteristics. This report, together with individual student and subject-specific student roster reports, provides support for use in program evaluation and planning. All scores contained in these reports are included for Maine state and federal reporting purposes only. While scores for most students may also be used for college admission, scores for students who received accommodations during the test administration that exceeded those made available by the College Board are not college reportable.

The state results reflect scores based on SAT, Math-A, and Science & Technology test questions that were taken by over 15,000 students who were enrolled in their third year of high school across all Maine public schools. The MHSA employs a design that requires students to create a written response to a writing prompt, generate answers to open-ended mathematics and science & technology questions, and in all subjects, select answers to multiple-choice questions. More information about the design, history, and use of the SAT can be found at: http://www.maine.gov/education/sat_initiative/.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and graduate from any Maine high school prepared for college, career, and citizenship.

Sincerely,

Susan A. Gendron
Commissioner of Education



High School Report

Test Date: May 2008
ID: 11421370
SAU: Richmond School Department
School: Richmond High School

Contents of the Report

The report is divided into six main sections including a section describing the students tested and a separate section for the results in each content area.

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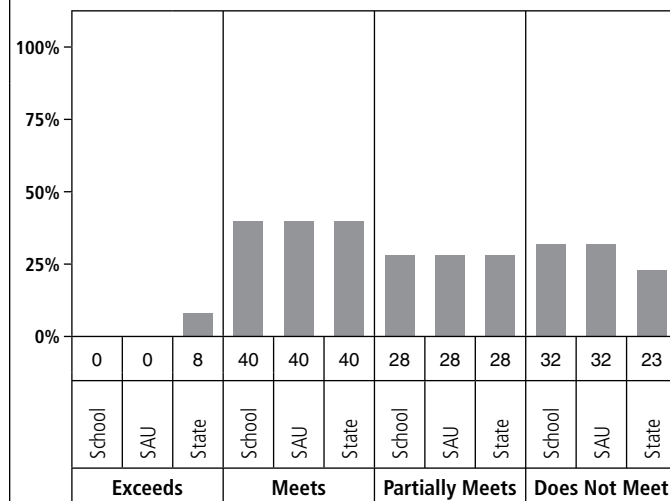
SUMMARY OF SCORES

Test Date: May 2008
SAU: Richmond School Department
School: Richmond High School

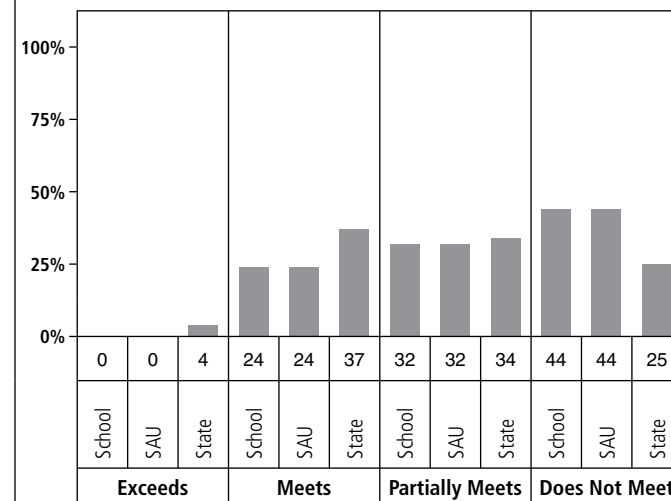
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
Critical Reading 2006–2007 2007–2008	1140 1136	1141 1136	1141 1141
Mathematics 2006–2007 2007–2008	1138 1136	1139 1136	1140 1141
Writing 2006–2007 2007–2008	1139 1132	1140 1132	1141 1140
Science 2007–2008	1136	1136	1141

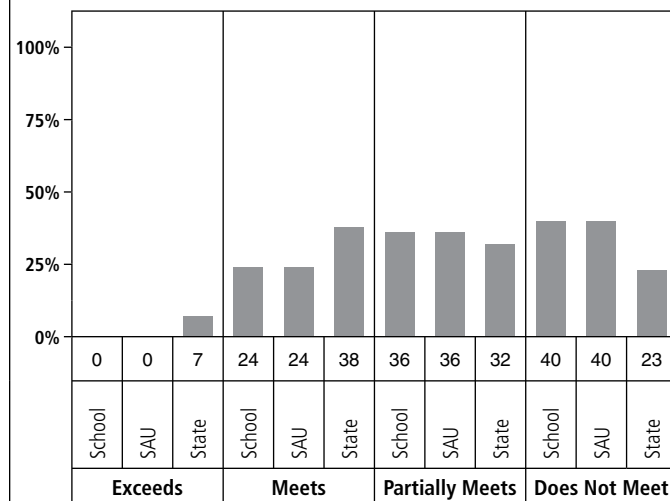
CRITICAL READING



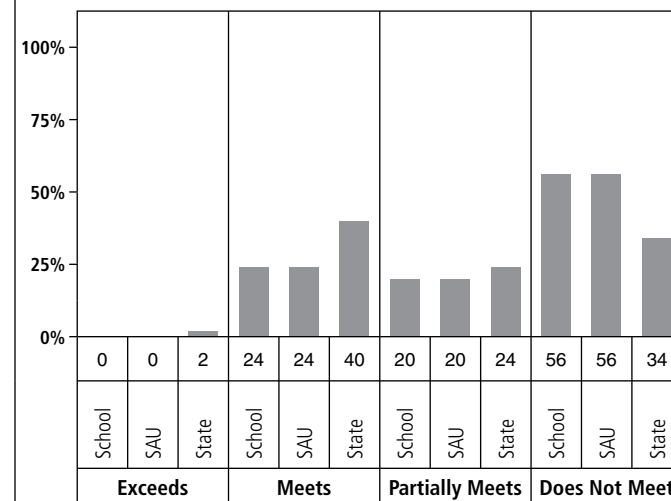
MATHEMATICS



WRITING



SCIENCE



SUMMARY OF STUDENT PARTICIPATION

Test Date: May 2008
SAU: Richmond School Department
School: Richmond High School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							Critical Reading						Mathematics						Writing						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Total number of students	28	100	27	100	15604	100	26	93	26	96	14875	96	26	93	26	96	15165	97	26	93	26	96	14869	96	26	93	26	96	14961	96
Ethnicity African American/Black	1	4	1	4	305	2	1	100	1	100	261	86	1	100	1	100	286	95	1	100	1	100	260	86	1	100	1	100	280	93
American Indian or Native Alaskan	0	0	0	0	103	1	0	0	0	0	95	93	0	0	0	0	97	95	0	0	0	0	95	93	0	0	0	0	93	91
Asian or Pacific Islander	0	0	0	0	215	1	0	0	0	0	194	90	0	0	0	0	202	94	0	0	0	0	194	90	0	0	0	0	200	93
Hispanic	0	0	0	0	140	1	0	0	0	0	118	84	0	0	0	0	123	88	0	0	0	0	118	84	0	0	0	0	120	86
Caucasian/White	27	96	26	96	14841	95	25	93	25	96	14207	96	25	93	25	96	14457	98	25	93	25	96	14202	96	25	93	25	96	14268	96
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	6	21	5	19	2247	14	5	83	5	100	2065	93	5	83	5	100	2138	96	5	83	5	100	2060	92	5	83	5	100	2081	93
Current LEP	0	0	0	0	648	4	0	0	0	0	508	79	0	0	0	0	564	87	0	0	0	0	507	78	0	0	0	0	534	83
Economically disadvantaged	10	36	10	37	4028	26	10	100	10	100	3682	92	10	100	10	100	3831	95	10	100	10	100	3679	92	10	100	10	100	3755	94
Migrant	0	0	0	0	5	0	0	0	0	0	5	100	0	0	0	0	5	100	0	0	0	0	5	100	0	0	0	0	5	100

MODE OF PARTICIPATION ³	Critical Reading						Mathematics						Writing						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	N		N		N		N		N		N		N		N		N		N		N		N	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Participation without accommodations	21	75	21	78	13042	84	21	75	21	78	13332	85	21	75	21	78	13042	84	21	75	21	78	13192	85
Identified disability (PET/IEP)	0	0	0	0	739	6	0	0	0	0	810	6	0	0	0	0	739	6	0	0	0	0	791	6
LEP	0	0	0	0	399	3	0	0	0	0	456	3	0	0	0	0	399	3	0	0	0	0	436	3
504 plan	0	0	0	0	196	2	0	0	0	0	204	2	0	0	0	0	196	2	0	0	0	0	201	2
Participation with accommodations	4	14	4	15	1623	10	4	14	4	15	1624	10	4	14	4	15	1625	10	4	14	4	15	1567	10
Identified disability (PET/IEP)	4	100	4	100	1117	69	4	100	4	100	1119	69	4	100	4	100	1119	69	4	100	4	100	1088	69
LEP	0	0	0	0	93	6	0	0	0	0	93	6	0	0	0	0	93	6	0	0	0	0	83	5
504 plan	0	0	0	0	58	4	0	0	0	0	58	4	0	0	0	0	58	4	0	0	0	0	55	4
Other	0	0	0	0	367	23	0	0	0	0	366	23	0	0	0	0	367	23	0	0	0	0	353	23
Participation through alternate assessment (PAAP)	1	4	1	4	209	1	1	4	1	4	209	1	1	4	1	4	202	1	1	4	1	4	202	1
Identified disability (PET/IEP)	1	100	1	100	209	100	1	100	1	100	209	100	1	100	1	100	202	100	1	100	1	100	202	100
LEP	0	0	0	0	15	7	0	0	0	0	15	7	0	0	0	0	15	7	0	0	0	0	15	7
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	0	0	0	0	36	0	0	0	0	0	40	0	0	0	0	0	36	0	0	0	0	0	38	0
Non-participation – other	2	7	1	4	693	4	2	7	1	4	399	3	2	7	1	4	699	4	2	7	1	4	605	4

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

CRITICAL READING RESULTS

Test Date: May 2008
SAU: Richmond School Department
School: Richmond High School

ACHIEVEMENT LEVELS: Achievement level definitions describe the quality of a student's responses on state-level assessments in relation to the reading standards for achieving Maine's *Learning Results*.

Maine state-level assessments measure the knowledge and skills of students by sampling identified standards within reading at the grade level assessed. Evidence includes responses to multiple-choice items in an "on demand" setting.

		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student's work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by applying a variety of reasoning skills and prior knowledge as the student draws in-depth inferences, analyzes texts for subtle clues, synthesizes information across texts, and uses knowledge of text structures and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 1161-1180)	2005-2006	3	7	3	7	1079	7
	2006-2007	3	6	3	7	1168	8
	2007-2008	0	0	0	0	1184	8
	Cum. Total*	6	5	6	5	3431	8
Meets the Standards – The student's work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by applying a variety of reasoning skills and prior knowledge as the student draws inferences, identifies summary statements, connects ideas within and across texts, and uses knowledge of text structures and literary devices to increase comprehension. (scaled score 1141-1160)	2005-2006	19	41	19	41	5697	38
	2006-2007	14	30	14	32	5714	38
	2007-2008	10	40	10	40	5885	40
	Cum. Total*	43	36	43	37	17296	39
Partially Meets the Standards – The student's work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student's ability to use a variety of reasoning skills and prior knowledge varies depending on the texts as s/he draws inferences, identifies summary statements, connects ideas within and across texts, and uses knowledge of text structures and literary devices to support comprehension. (scaled score 1129-1140)	2005-2006	17	37	17	37	4772	32
	2006-2007	19	40	19	43	4728	31
	2007-2008	7	28	7	28	4093	28
	Cum. Total*	43	36	43	37	13593	30
Does Not Meet the Standards – The student's work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student's responses are often incorrect leaving the impression that the student found it difficult to use a variety of reasoning skills and prior knowledge as s/he draws inferences, identifies summary statements, connects ideas within and across texts, or uses knowledge of text structures and literary devices to support comprehension. (scaled score 1100-1128)	2005-2006	7	15	7	15	3595	24
	2006-2007	11	23	8	18	3444	23
	2007-2008	8	32	8	32	3417	23
	Cum. Total*	26	22	23	20	10456	23

CRITICAL READING RESULTS BY REPORTING SUBGROUPS

Test Date: May 2008
SAU: Richmond School Department
School: Richmond High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	25	0	0	10	40	7	28	8	32	1136	25	0	40	28	32	1136	14579	8	40	28	23	1141
Ethnicity																						
African American/Black	1										1						248	4	21	27	48	1132
American Indian or Native Alaskan	0										0						94	5	27	28	40	1134
Asian or Pacific Islander	0										0						192	4	35	30	31	1138
Hispanic	0										0						115	5	32	26	37	1136
Caucasian/White	24	0	0	10	42	7	29	7	29	1137	24	0	42	29	29	1137	13930	8	41	28	23	1141
Not Reported	0										0						0					
Identified disability																						
Yes	4										4						1823	1	9	24	65	1126
No	21	0	0	10	48	6	29	5	24	1139	21	0	48	29	24	1139	12756	9	45	29	17	1143
Current LEP																						
Yes	0										0						488	3	22	24	52	1132
No	25	0	0	10	40	7	28	8	32	1136	25	0	40	28	32	1136	14091	8	41	28	22	1141
Economically disadvantaged																						
Yes	10	0	0	5	50	4	40	1	10	1142	10	0	50	40	10	1142	3545	3	28	30	39	1134
No	15	0	0	5	33	3	20	7	47	1132	15	0	33	20	47	1132	11034	10	44	27	19	1143
Migrant																						
Yes	0										0						5	20	0	40	40	1136
No	25	0	0	10	40	7	28	8	32	1136	25	0	40	28	32	1136	14574	8	40	28	23	1141
Gender																						
Female	13	0	0	5	38	4	31	4	31	1136	13	0	38	31	31	1136	7237	8	42	30	19	1142
Male	12	0	0	5	42	3	25	4	33	1136	12	0	42	25	33	1136	7342	8	38	26	28	1140
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						103	0	9	30	61	1127
No	25	0	0	10	40	7	28	8	32	1136	25	0	40	28	32	1136	14476	8	41	28	23	1141
Gifted/talented program																						
Yes	0										0						295	48	48	4	0	1161
No	25	0	0	10	40	7	28	8	32	1136	25	0	40	28	32	1136	14284	7	40	29	24	1140

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

Test Date: May 2008
SAU: Richmond School Department
School: Richmond High School

ACHIEVEMENT LEVELS: Achievement level definitions describe the quality of a student's responses on state-level assessments in relation to the mathematics standards for achieving Maine's *Learning Results*. Maine state-level assessments measure the knowledge and skills of students by sampling identified standards within mathematics at the grade level assessed. Evidence includes responses to a combination of multiple-choice items and items requiring student-created responses in an "on demand" setting.

		STUDENTS AT EACH ACHIEVEMENT LEVEL *					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student's work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student's responses demonstrate the ability to synthesize information, analyze and solve difficult or unfamiliar problems, and apply complex concepts. (scaled score 1161-1180)	2006-2007 2007-2008	0 0	0 0	0 0	0 0	578 637	4 4
Meets the Standards – The student's work demonstrates an understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student's responses demonstrate the ability to reason, analyze and solve problems, and apply concepts. (scaled score 1141-1160)	2006-2007 2007-2008	14 6	29 24	14 6	31 24	5481 5508	36 37
Partially Meets the Standards – The student's work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student's responses demonstrate some ability to analyze and solve problems and apply concepts. (scaled score 1133-1140)	2006-2007 2007-2008	16 8	33 32	16 8	36 32	4754 5065	31 34
Does Not Meet the Standards – The student's work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student's responses demonstrate minimal ability to solve problems and apply concepts. (scaled score 1100-1132)	2006-2007 2007-2008	18 11	38 44	15 11	33 44	4607 3660	30 25

MATHEMATICS RESULTS BY REPORTING SUBGROUPS

Test Date: May 2008
SAU: Richmond School Department
School: Richmond High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	25	0	0	6	24	8	32	11	44	1136	25	0	24	32	44	1136	14870	4	37	34	25	1141
Ethnicity																						
African American/Black	1										1						274	1	12	31	57	1133
American Indian or Native Alaskan	0										0						96	2	24	30	44	1136
Asian or Pacific Islander	0										0						200	8	37	34	22	1142
Hispanic	0										0						120	3	23	32	43	1138
Caucasian/White	24	0	0	6	25	8	33	10	42	1136	24	0	25	33	42	1136	14180	4	38	34	24	1141
Not Reported	0										0						0					
Identified disability																						
Yes	4										4						1896	0	8	22	70	1130
No	21	0	0	6	29	8	38	7	33	1137	21	0	29	38	33	1137	12974	5	41	36	18	1142
Current LEP																						
Yes	0										0						545	3	16	28	53	1135
No	25	0	0	6	24	8	32	11	44	1136	25	0	24	32	44	1136	14325	4	38	34	24	1141
Economically disadvantaged																						
Yes	10	0	0	4	40	3	30	3	30	1138	10	0	40	30	30	1138	3695	1	22	37	40	1136
No	15	0	0	2	13	5	33	8	53	1134	15	0	13	33	53	1134	11175	5	42	33	19	1142
Migrant																						
Yes	0										0						5	20	20	40	20	1144
No	25	0	0	6	24	8	32	11	44	1136	25	0	24	32	44	1136	14865	4	37	34	25	1141
Gender																						
Female	13	0	0	3	23	4	31	6	46	1135	13	0	23	31	46	1135	7362	3	36	36	24	1140
Male	12	0	0	3	25	4	33	5	42	1137	12	0	25	33	42	1137	7508	5	38	32	25	1141
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						103	0	8	41	51	1134
No	25	0	0	6	24	8	32	11	44	1136	25	0	24	32	44	1136	14767	4	37	34	24	1141
Gifted/talented program																						
Yes	0										0						296	35	59	5	0	1158
No	25	0	0	6	24	8	32	11	44	1136	25	0	24	32	44	1136	14574	4	37	35	25	1140

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

WRITING RESULTS

Test Date: May 2008
SAU: Richmond School Department
School: Richmond High School

ACHIEVEMENT LEVELS: Achievement level definitions describe the quality of a student's responses on state-level assessments in relation to the writing standards for achieving Maine's *Learning Results*.

Maine state-level assessments measure the knowledge and skills of students by sampling identified standards within writing at the grade level assessed. Evidence includes responses to a combination of multiple-choice items and items requiring student-created responses in an "on demand" setting.

		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student's responses demonstrate skillful ability to select clear, precise sentence improvements that are free of awkwardness or ambiguity; to recognize grammar and usage errors; and to select revisions that add to the clarity, precision and overall effectiveness of a passage. The student's essay demonstrates an effectively developed and insightful point of view on the issue and outstanding critical thinking, with clearly appropriate examples, reasons, and other evidence to support a position. The essay is well-organized and clearly focused, demonstrating clear coherence and smooth progression of ideas and free of most errors in grammar, usage, and mechanics. (scaled score 1161-1180)	2005-2006	1	2	1	2	952	6
	2006-2007	3	6	3	7	937	6
	2007-2008	0	0	0	0	962	7
	Cum. Total*	4	3	4	3	2851	6
Meets the Standards – The student's responses demonstrate ability to select clear sentence improvements that are free of awkwardness or ambiguity; to recognize grammar and usage errors; and to select revisions that add to the clarity and overall effectiveness of a passage. The student's essay demonstrates an effectively developed point of view on the issue and strong critical thinking, with generally appropriate examples, reasons, and other evidence to support a position. The essay is well-organized and focused, demonstrating coherence and progression of ideas and generally free of most errors in grammar, usage, and mechanics. (scaled score 1141-1160)	2005-2006	22	48	22	48	6055	40
	2006-2007	15	32	15	34	6167	41
	2007-2008	6	24	6	24	5564	38
	Cum. Total*	43	36	43	37	17786	40
Partially Meets the Standards – The student's responses demonstrate inconsistent ability to select clear sentence improvements that are free of awkwardness or ambiguity; to recognize grammar and usage errors; and to select revisions that add to the clarity and overall effectiveness of a passage. The student's essay demonstrates a developed point of view on the issue and some critical thinking, but may do so inconsistently or with inadequate examples, reasons, or other evidence to support a position. The essay is generally organized and focused, but may demonstrate some lapses in coherence or progression of ideas and may contain errors in grammar, usage, and mechanics. (scaled score 1129-1140)	2005-2006	16	35	16	35	4916	32
	2006-2007	21	45	20	45	4723	31
	2007-2008	9	36	9	36	4679	32
	Cum. Total*	46	39	45	39	14318	32
Does Not Meet the Standards – The student's responses demonstrate limited ability to select clear sentence improvements that are free of awkwardness or ambiguity; to recognize grammar and usage errors; and to select revisions that add to the clarity and overall effectiveness of a passage. The student's essay demonstrates a vague or seriously limited point of view on the issues and weak critical thinking, with inappropriate or insufficient examples, reasons, or other evidence to support a position. The essay is poorly organized and/or focused and may contain an accumulation of errors in grammar, usage, and mechanics that interfere with understanding the message of the essay. (scaled score 1100-1128)	2005-2006	7	15	7	15	3221	21
	2006-2007	8	17	6	14	3227	21
	2007-2008	10	40	10	40	3376	23
	Cum. Total*	25	21	23	20	9824	22

WRITING RESULTS BY REPORTING SUBGROUPS

Test Date: May 2008
SAU: Richmond School Department
School: Richmond High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	25	0	0	6	24	9	36	10	40	1132	25	0	24	36	40	1132	14581	7	38	32	23	1140
Ethnicity																						
African American/Black	1										1						248	2	19	30	49	1131
American Indian or Native Alaskan	0										0						94	3	19	38	39	1133
Asian or Pacific Islander	0										0						192	6	30	34	30	1137
Hispanic	0										0						115	2	30	36	33	1136
Caucasian/White	24	0	0	6	25	9	38	9	38	1133	24	0	25	38	38	1133	13932	7	39	32	22	1140
Not Reported	0										0						0					
Identified disability																						
Yes	4										4						1825	1	7	23	69	1125
No	21	0	0	6	29	9	43	6	29	1136	21	0	29	43	29	1136	12756	7	43	33	17	1142
Current LEP																						
Yes	0										0						488	3	19	29	49	1131
No	25	0	0	6	24	9	36	10	40	1132	25	0	24	36	40	1132	14093	7	39	32	22	1140
Economically disadvantaged																						
Yes	10	0	0	4	40	3	30	3	30	1137	10	0	40	30	30	1137	3546	2	25	35	38	1134
No	15	0	0	2	13	6	40	7	47	1130	15	0	13	40	47	1130	11035	8	42	31	18	1142
Migrant																						
Yes	0										0						5	20	0	20	60	1131
No	25	0	0	6	24	9	36	10	40	1132	25	0	24	36	40	1132	14576	7	38	32	23	1140
Gender																						
Female	13	0	0	3	23	6	46	4	31	1133	13	0	23	46	31	1133	7239	8	43	33	17	1142
Male	12	0	0	3	25	3	25	6	50	1132	12	0	25	25	50	1132	7342	6	34	31	30	1138
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						103	0	7	39	54	1128
No	25	0	0	6	24	9	36	10	40	1132	25	0	24	36	40	1132	14478	7	38	32	23	1140
Gifted/talented program																						
Yes	0										0						295	42	53	4	0	1159
No	25	0	0	6	24	9	36	10	40	1132	25	0	24	36	40	1132	14286	6	38	33	24	1139

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

Test Date: May 2008
SAU: Richmond School Department
School: Richmond High School

ACHIEVEMENT LEVELS: Achievement level definitions describe the quality of a student's responses on state-level assessments in relation to the science standards for achieving Maine's *Learning Results*.

Maine state-level assessments measure the knowledge and skills of students by sampling identified standards within science at the grade level assessed. Evidence includes responses to a combination of multiple-choice items and items requiring student-created responses in an "on demand" setting.

		STUDENTS AT EACH ACHIEVEMENT LEVEL*					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student's work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student's responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 1161-1180)	2007-2008	0	0	0	0	300	2
Meets the Standards – The student's work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student's responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 1141-1160)	2007-2008	6	24	6	24	5927	40
Partially Meets the Standards – The student's work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student's responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 1135-1140)	2007-2008	5	20	5	20	3544	24
Does Not Meet the Standards – The student's work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student's responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 1100-1134)	2007-2008	14	56	14	56	4988	34

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	15	27	5.44	36.3	5.44	36.3	6.41	42.7
Cluster 2: Physical Sciences	14	25	4.00	28.6	4.00	28.6	6.22	44.4
Cluster 3: Earth and Space Sciences	14	25	3.97	28.4	3.97	28.4	5.04	36.0
Cluster 4: Nature and Implications of Science	13	23	5.25	40.4	5.25	40.4	6.59	50.7

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine's 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MHSA measures a grade span expectation, which can be found at <http://www.maine.gov/education/salt/gles.htm>.

SCIENCE RESULTS BY REPORTING SUBGROUPS

Test Date: May 2008
SAU: Richmond School Department
School: Richmond High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	25	0	0	6	24	5	20	14	56	1136	25	0	24	20	56	1136	14759	2	40	24	34	1141
Ethnicity																						
African American/Black	1										1						269	0	20	14	65	1134
American Indian or Native Alaskan	0										0						92	1	24	28	47	1138
Asian or Pacific Islander	0										0						199	3	36	25	36	1140
Hispanic	0										0						118	1	26	19	54	1136
Caucasian/White	24	0	0	6	25	5	21	13	54	1136	24	0	25	21	54	1136	14081	2	41	24	33	1141
Not Reported	0										0						0					
Identified disability																						
Yes	4										4						1879	0	11	17	72	1133
No	21	0	0	6	29	5	24	10	48	1137	21	0	29	24	48	1137	12880	2	44	25	28	1142
Current LEP																						
Yes	0										0						519	1	18	19	62	1134
No	25	0	0	6	24	5	20	14	56	1136	25	0	24	20	56	1136	14240	2	41	24	33	1141
Economically disadvantaged																						
Yes	10	0	0	2	20	2	20	6	60	1136	10	0	20	20	60	1136	3651	1	26	24	49	1137
No	15	0	0	4	27	3	20	8	53	1136	15	0	27	20	53	1136	11108	3	45	24	29	1142
Migrant																						
Yes	0										0						5	20	40	40	0	1146
No	25	0	0	6	24	5	20	14	56	1136	25	0	24	20	56	1136	14754	2	40	24	34	1141
Gender																						
Female	13	0	0	2	15	1	8	10	77	1134	13	0	15	8	77	1134	7277	1	37	26	36	1140
Male	12	0	0	4	33	4	33	4	33	1139	12	0	33	33	33	1139	7482	3	43	22	32	1141
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						100	1	5	22	72	1133
No	25	0	0	6	24	5	20	14	56	1136	25	0	24	20	56	1136	14659	2	40	24	34	1141
Gifted/talented program																						
Yes	0										0						296	13	80	5	3	1152
No	25	0	0	6	24	5	20	14	56	1136	25	0	24	20	56	1136	14463	2	39	24	34	1140

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